Chief, Intelligence Information Staff, OFR 29 April 1956

ATTE

THRU : Chief, Industrial Division, (RE)

Chief, Tremsport and Heavy Machinery Branch, D/I

Chief, Medium Machinery Brench, D/I

Requirements on trands in the engineering industries of Commun at this:

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MINISTER NEWS

(a) State, Song Road. Survey of China Mainland Press, no 16), 20 Jan 58, p. 25. T.

(b) CIA. FRIS, Daily Report (Far last), 27 Mar 96, p. CCC 17

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(c) CMA. PBIS, Daily Repert (Far fast), 15 Apr 56, p. BBS 13 000.

(d) (e)

- (f) State, Bong Rong. Day 746, 18 Mar 56. U.
- (g) CIA. FDD Summery no 1573, 10 feb 58, Membly Information (sport on Communicat China (no. 190), p. 1. 000.
- (h) State, Road Road. Survey of China Mainland Press, no 161, 27 Dec 57, p. 18. U.

1. Benharound.

During the First Tive-Year Plan (1953-1957) the augin series industries experienced repid but not altogether balanced development. Shortages of restanterials have aloved production in a number of ongineering plants. In transportation equipment and diesel on thes plant construction and design of products was based on the same aption later proved inacquants, of adequate supplies of liquid facts. Froduction of agricultural medinery, particularly tractors, was been on the assumption that large-scale mechanisation of agricultum was communically fencible. (hinese industrial planners, following Soriet specifications, executed costly large-scale plants which, being highly muchanised, absorbed little of Chisa's repidly growing populat on and took a long time to construct.

As the Hooced Fire-Year Phan begins there are indications of stremens efforts to correct economic inhelences which developed forth; the First Pive-Year Pinn and to achieve a greater degree of selfsufficiency in the production of expital goods. For a number of reasons the CERCURE may wish to depend less on Seriet ansistance. As the level of Soviet aid has appearently been everely cut, the GILCOMe and t rely

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primarily on their our resources. Fragmentary spidence suggests that the CHICHES will make substantial notification of Sovert design and techniques in order to: (1) conserve foreign embenge, (2) a play more people, (3) reduce construction periods, etc. These fact we will measurable readjustments particularly in the engineering adaptrial at the ways time those indestries are shifting priorities to give darest and indirect suggest to the evaluat program for agricultural de slopes of particularly in the form of abentical engineering againstant for fortillist plants and irrigation equipment. The stated along are somewhat outra-liceary and it is likely that some strains will develop. The Si incompliance, appropriately to the partition of chains in China. This will require great flexibility, as many of the techniques used in fewiot engineering regains a high degree of methodomatica.

Detailed information is required on the nature and ex set of programs to effect rendjusts ents for some balanced economic growth. The questions below are intended to elicit information on games I trends in the engineering industries, particularly the extent of its response to the information is considered forting the First Five-Year Float 1964 type of information is considered essential for accurate assessment of economic capabilities, value rebellities and intendions. Question 8 and appositio questions not directly related to the break purpose of this requirement are considered (approble but not assessmential.

2. Progulary and a.

A. Congres regul results.

questions I through 8 apply to all plants that can to visited. They are considered suitable to be addressed to personal at the plant director level.

- (1) Was your pleast designed coverding to Sewiest engineering drawings and equipped with foriest machinery: New much did it cost to build by these standards? Fould large parings to effected if a similar pleast were designed experding to Chinese engineering drawings to income equipment?
- (2) Then Seviet engineering fravings are modified by Chin se engineers can exceedingly as destined operations be elizabeted as as to engley more workers?
- (3) Are Devict weakniques and methods suited to proculier nineers conditions in your industry: In not, what managers have been t keen to effect greater eduptablicity to fillness conditions?

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- (4) How many Chinese engineers do you employ on your staff Of these, how many were educated in the USSA? Are the inster apply no the Saviet techniques which they learned to the planning of factories to be built in China: How are they medifying Soviet engineering practice to must Chinese conficions
- (5) What proportion of squipment for new factories will be produced in China: What capital equipment will be impacted and resultant countries:
- (6) lies your plant suntained production losses due to shor ages of raw saterials? If so, have other materials been schedituted: Other corrective macaning?
- (?) Which of the products of your plant are now exported are now products to be added to the export list in the most future
- (6) What, if any, offer: will depend on least on here on you plant or industry:

B. Specific requirements.

are considered suitable to be addressed to personnel at the plant director or lower level. The conditions at various plants can also be escentialed by personal observants.

- (9) Minden Machine Tool Plant No. 1 How much was invested to reconstruct and expend this plant: That is the maximum annual production of this plant: Does the plant always operate on two chiften
- (10) Wahma Heavy Machine Tool Flant -- How much did it coet to construct this plant? That proportion of the total cost was for anchinery and equipment? That is the maximum annual predection operates of this plant? Now many works to are employed at this plant?
- (11) Earthin Measuring Instruments and Cutting Tools Flant Heat much did it cost to construct this plant? That proportion of the total cost was for machinery and on igneent. What is the maximum annual production capacity of this plant:
- (12) Lan-chou Patraleum I quipment Plant -- Now many workers are employed at this plant? Now tuch did it cost to construct this plant? Not proportion of the lotal cost use for mechinary and equipment what is the ministry affiliation of this plant?

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- (13) Loyeng Hising Mathinery Fleat -- Now small did it cos. to construct this plant? What proportion of the total cost was for machinery and equipment? For many verters are employed at this plant. What is the ministry affiliation of this plant.
- (14) Fularki Henry Machinery Flant -- How many workers as supply that this plant?
- (15) Making Maring Marinerry and Repipment Floort -- What a the maximum armaal production of this plant:
- (16) This year Heavy Facilitatry Plant -- Although the construction of this plant is not entirely completed, partial graduation because in 1957. Is the plant presently operating on more than a one shift busing and how many shifts will be unwhing when construction is exact test
- (17) Changehan automotile Flant No. 1 -- It has been ennounced that the Changehan Arthurbile Flant No. 1 has macconded in making a coal-gas-powered actor saitable for irrigation purposes. g/ It there any evidence that large seals production of these notices has been undertaken. Is there any evidence that this plant is producing our plans to produce may other type of Irrigation equipment?
- (18) Changehan surtomodile Flort So. 1 -- It has been some mood that 15,000 tracture will be trial produced at the Changehan A temptical Flant So. 1. b/ Is there east evidence that this plant is now reduction plans to produce tractors. If so, what type of tractor, an what type of fuel will it use:
- (1)) Changehon furtosoi Lie Flort So. 1 In these any lat mice of increasing the properties of gas-generator thacks and other new-petroleum huming transm at this plant! Must proportion of track produced at this plant are returned to the plant as defective: Are any buses assembled here! Saw many shifts are being worked at this plant?
- (20) Henking Automobile and Assembling Plant -- are may a total in parts besides gravilius engines and generators unde at this plant to the what type of vehicle is the new CF-770 graviline engine planted. There are the products of this plant shipped. Are any vehicles produced this plant? Are there may plant to measible vehicles here: I so what types:

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- (21) Tientein Practor Flant -- It has been announced the . Use Tientein Practor Flant has produced the first wheeled tractor model T-240. g/ This model is lessed on the Soviet type MTS-5 /Rime dy Tractormyy Pavod-5 (model number)/, otherwise known as the "behavie, named for the Polarussian SSR in which the Minsk Tractor Flant in located. What is the rate of production of this type of tree sor have there any plans for fiture expension of this plant?
- (22) Wohan General Makine last -- It has been assounce! that the state owned Vulue General Makine Flant repeatly complete! finds tests of a small universal tractor. d/ Is there may evidence that tractors are being produced at this plant? If so, what type(:) and how many:
- Tractor Plant will have an armonic output of 15,000 Soviet IN- A type tractors of It was later amounted that this plant will pre-ince several thousand smaller inactors in addition to the Soviet Di-Pitype, f/ and that armonic production at this plant will be 30,000 tractors per year. J/ When will series production of tractors begin at this plant? Will both the Soviet DI-54 type tractor and a miller tractors be produced at this plant? If so, what will be the sure.
- (24) Are there any electages of tractor space parts in Clima:
 If so, which types of tractors are nost lacking in space part regimesments: Edich types of imported rectors have been in the greatest
 ment of repair:
- (25) It has been appropriated that the charactel fertilizer admits of Communist China is schickled to have a regid development a dear the Second Five-Fear Plan and that must of the amchinery and equipment model for the accordance of charactel fertilizer will be seen dischary in Communist China. b/ It there may evidence that now charactel equipment plants will be constructed, and if so, where will they be located? In there may evidence that plants presently engaged in the amountanture of other types of injection equipment will shift that; production to charactel equipment

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3. Sources.

It is possible that the source of Report could give information on question so. 22 above.

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In regard to questions (1) through (4) it is fult that the most satisfactory emmones maid be given by a plant director to an Asian source, since the fermer sight be reluctment to admit to a blastamer that the Chinese did not appire to the most modern technology.

Any quantiess reporting this resultenant should be addressed to 25X1A9a

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